

## ABSTRACT

The present invention can provide an antireflection film improved in the scratch resistance while having a sufficiently high antireflection property, and a polarizing plate and a display device using the antireflection film, the antireflection film comprising: a transparent support; and as an outermost layer, a low refractive index layer containing a fluorine-containing polymer, wherein the low refractive index layer comprises at least one inorganic fine particle having an average particle size of 30 to 100% of the thickness of the low refractive index layer; the polarizing plate using the antireflection film for one of two protective films of a polarizer in the polarizing plate; and the image display device using the antireflection film or polarizing plate for the outermost surface of the display.

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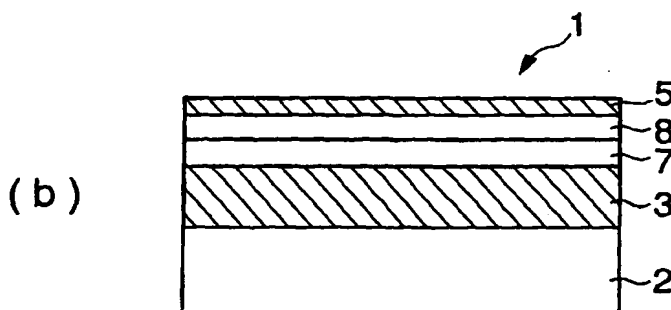
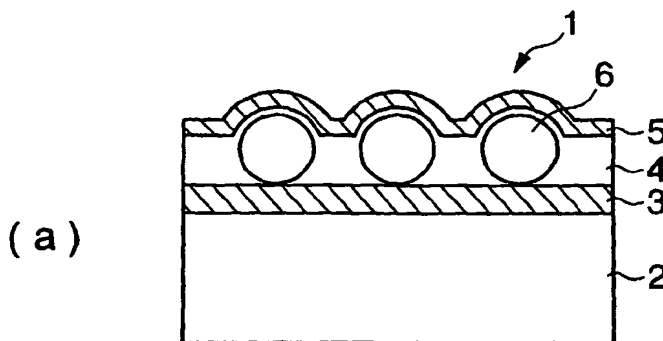
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(54) Title: ANTIREFLECTION FILM, POLARIZING PLATE AND IMAGE DISPLAY DEVICE



(57) **Abstract:** The present invention can provide an antireflection film improved in the scratch resistance while having a sufficiently high antireflection property, and a polarizing plate and a display device using the antireflection film, the antireflection film comprising: a transparent support; and as an outermost layer, a low refractive index layer containing a fluorine-containing polymer, wherein the low refractive index layer comprises at least one inorganic fine particle having an average particle size of 30 to 100% of the thickness of the low refractive index layer; the polarizing plate using the antireflection film for one of two protective films of a polarizer in the polarizing plate; and the image display device using the antireflection film or polarizing plate for the outermost surface of the display.

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